BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK – CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

MEASUREMENT SHEET

First & Final Bill

Client: Sri.R.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.01		Excavation by manual means for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width in Hard Rock not exceeding 1.5 m. in depth including Stacking the excavated stuff from edges of excavation with lead upto 50m including cost of explosives, labour and HOM of equipment complete as per specifications. specification. No. KBS 2.1.d / 2.3.4 / 2.18 / 2.19 complete as per specifications and directions of the Engineer in charge									
			cum								
		Vide Total executed Quantity from premeasuremet Page no.						1168.61			
		Tender Quantity						1963.08			
		Now To be Paid Qty						1168.61	606	708177.66	
Item No. 02		Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge									
			cum								
		Vide Total executed Quantity from premeasuremet Page no.						52.55			
		Tender Quantity						72.72			
		Now To be Paid Qty						52.55	5967.00	313565.85	
Item No. 03		Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge									
			cum								
		Vide Total executed Quantity from premeasuremet Page no.						22.66			
		Tender Quantity						29.16			
		Now To be Paid Qty						22.66	4952	112212.32	
Item No. 04		Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge									
			cum								
		Vide Total executed Quantity from premeasuremet Page no.						5.66			
		Tender Quantity						4.86			
		Now To be Paid Qty						5.66	6554	37095.64	
Item No. 05		Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and directions of the Engineer in charge									
			cum								
		Vide Total executed Quantity from premeasuremet Page no.						220.74			
		Total Executed Quantity						220.74			
		Tender Quantity						246.01			
		Now To be Paid Qty						220.74	6165	1360862.10	
Item No. 06		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labourcomplete as per specifications and directions of the Engineer in charge									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no.						594.66			

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

MEASUREMENT SHEET

First & Final Bill

Client — Sri.H.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		Tender Quantity						**620.25**			
		Now To be Paid Qty						**594.66**	**273**	**162342.18**	
Item No. 07		Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and directions of the Engineer in charge									
		Sqm									
		Vide Total executed Quantity from premeasuremet Page no.						**497.22**			
		Quantity Limited						**491.21**			
		Tender Quantity						**305.37**			
		Quantity Upto 125%						**381.71**			
		Quantity above 125%						**109.50**			
		Now To be Paid Qty									
		Quantity Upto 125%						**381.71**	**7357**	**2808258.86**	
		Quantity above 125%						**109.50**	**6261.90**	**685661.88**	
Item No. 08		Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) complete as per specifications and directions of the Engineer in charge									
		Cum									
		Vide Total executed Quantity from premeasuremet Page no.						**618.84**			
		Tender Quantity						**1555.83**			
		Now To be Paid Qty						**618.84**	**357**	**220925.88**	
Item No. 09		Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.									
		Cum									
		Vide Total executed Quantity from premeasuremet Page no.						**1168.61**			
		Tender Quantity						**1963.08**			
		Now To be Paid Qty						**1168.61**	**236**	**275791.96**	
Item No. 10		Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery,TMT Bars Fe 500 complete as per specifications and directions of the Engineer in charge									
		Tonne									
		Vide Total executed Quantity from premeasuremet Page no.						**45.56**			
		Tender Quantity						**40.31**			
		Quantity Upto 125%						**45.56**			
		Now To be Paid Qty									
		Quantity Upto 125%						**45.56**	**71673**	**3265385.18**	
Item No. 11		Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curingcomplete as per specifications and directions of the Engineer in charge									

CONTRACTOR PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

MEASUREMENT SHEET

First & Final Bill

Client Sri.H.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Measurements taken on		11/05/2020									
		Compound Wall									
		EasternSide	Sqm	1	46		1.55	71.3			
		WesternSide	Sqm	1	50.9		1.55	78.89			
		southernside	Sqm	1	19.5		1.55	30.22			
		Northen side	Sqm	1	31.1		1.55	48.2			
		Deduction									
		Gate	Sqm	1	3.5		1.55	-5.42			
			Sqm	1	4.2		1.55	-6.51			
								Total Executed Quantity	**216.68**		
								Tender Quantity	**320.40**		
								Now To be Paid Qty	**216.68**	**983**	**212996.44**
Item No. 12		Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curingcomplete as per specifications and directions of the Engineer in charge									
Measurements taken on		03/05/2020									
		Compound Wall									
		EasternSide	Sqm	2	46		1.55	142.6			
		WesternSide	Sqm	2	50.9		1.55	157.79			
		southernside	Sqm	2	19.5		1.55	60.45			
		Northen side	Sqm	2	31.1		1.55	96.41			
		Deduction									
		Gate	Sqm	2	3.5		1.55	-10.85			
			Sqm	2	4.2		1.55	-13.02			
								Total Executed Quantity	**433.38**		
								Tender Quantity	**640.80**		
								Now To be Paid Qty	**433.38**	**261**	**113112.18**
Item No. 14		Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall suface with wire brush of medium size emery stone to remove all the loosely adhering particales complete as per specifications and directions of the Engineer in charge									
Measurements taken on		06/05/2020									
		Compound Wall									
		EasternSide	Sqm	2	46		1.55	142.6			
		WesternSide	Sqm	2	50.9		1.55	157.79			
		southernside	Sqm	2	19.5		1.55	60.45			
		Northen side	Sqm	2	31.1		1.55	96.41			
		Deduction									
		Gate	Sqm	2	3.5		1.55	-10.85			
			Sqm	2	4.2		1.55	-13.02			
								Total Executed Quantity	**433.38**		
								Tender Quantity	**640.80**		
								Now To be Paid Qty	**433.38**	**412**	**178552.56**

CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

MEASUREMENT SHEET

First & Final Bill

Client : Sri.H.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 15		Fabrication Providing and erecting in position Hot dip Galvanised Gateusing 72X72X48mm Sq GI Pipe frame with top pipe bending in heavy duty hydralic press with sand packing hot bending to form double arch as per drawing profile, 20mm hot dip Galvanised Sq. Road forverticles at 150mm c/c as Shown in the Drawing including providing hot dip Galvanised forgedornamental design in between Sq.rods and heads at Top, middle and bottom , intermediate supports of 75X12mm and 50X6mm aech bentto hot dip Galvanised Flats.The work is inclusiveof throughing GI,flat Sq, rods, placing,weldingall the joins including grinding ,finishing metalpatty, painting two coats enamel painting the rate is inclusive of allmaterials like GI Sq Pipe,GI forged designs etc., heavy duty hingers are made out of 75mm Solid Sqq. block assembled with 20mm dia bearing in three places for each flop using hoist pulley cranes with all lead andlift , loading, Transportation, unloading Scaffolding charges and all other incidental charges for successful completion of the work as peer Directions of the Engineer-in-charge opf the work(DATA RATE copy is enclosed)									
Measurements taken on		29/05/2020									
			Sqm	1	3.50		1.66	5.81			
			Sqm	1	4.20		3.5	14.70			
							Total Executed Quantity	20.51			
							Tender Quantity	28.96			
							Now To be Paid Qty	20.51	13685	280679.35	
EIRL-1		Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No-11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., c complete as per specifications and directions of the Engineer in charge									
Measurements taken on		02/06/2020									
			Sqm	1	13.70		1	13.70			
							Total Executed Quantity	13.70			
							Now To be Paid Qty	13.70	6487.07	88872.86	

CONTRACTOR PMC

2/06

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

PREMEASUREMENT SHEET

First & Final Bill

Client		Sri.H.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64							
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.07		Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and directions of the Engineer in charge							
Measurements taken on		3/3/2020 to 7/02/2020 and 11/05/2020							
		Retaining Wall							
		NorthernSide							
		Base Concreting	Cum	1	2.5	3.8	0.6	5.7	
		Wall							
		Rectangular Portion	Cum	1	2.5	0.2	4.5	2.25	
		Triangle Portion	Cum	1	2.5	0.1	4.5	1.12	
		WesternSide							
		Base Concreting	Cum	1	50.9	3.8	0.6	116.05	
		Wall							
		Rectangular Portion	Cum	1	50.9	0.2	4.5	45.81	
		Triangle Portion	Cum	1	50.9	0.1	4.5	22.9	
		Southernside							
		Base Concreting	Cum	1	2.5	3.8	0.6	5.7	
		Wall							
		Rectangular Portion	Cum	1	2.5	0.2	4.5	2.25	
		Triangle Portion	Cum	1	2.5	0.1	4.5	1.12	
		coping concrete arround building	Cum						
		Outside Building	Cum	1	32	27	0.2	172.80	
			Cum	1	19	6.1	0.2	23.18	
			Cum	1	10	3	0.2	6.00	
			Cum	1	20	11	0.2	44.00	
			Cum	1	16	5	0.2	16.00	
				1	20	7	0.2	28.00	
		in front of building outside	Cum	1	46	1.5	0.2	13.80	

506.68

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF RETAINING WALL AND OTHER DEVELOPMENTAL WORKS TO MARRIAGE COMMUNITY HALL BUILDING AT CHIKKABETTAHALLI IN WARD NO.03

PREMEASUREMENT SHEET

First & Final Bill

Client Sri.H.V Onkarappa #27,Taralabalu Enclave, Near Police Station,Yelahanka,Banglore-64

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.07		Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and directions of the Engineer in charge							
Measurements taken on		3/3/2020 to 7/3/2020 and 11/05/2020							
		Retaining Wall							
		NorthernSide							
		Base Concreting	Cum	1	2.5	3.8	0.6	5.7	
		Wall							
		Rectangular Portion	Cum	1	2.5	0.2	4.5	2.25	
		Triangle Portion	Cum	1	2.5	0.1	4.5	1.12	
		WesternSide							
		Base Concreting	Cum	1	50.9	3.8	0.6	116.05	
		Wall							
		Rectangular Portion	Cum	1	50.9	0.2	4.5	45.81	
		Triangle Portion	Cum	1	50.9	0.1	4.5	22.9	
		Southernside							
		Base Concreting	Cum	1	2.5	3.8	0.6	5.7	
		Wall							
		Rectangular Portion	Cum	1	2.5	0.2	4.5	2.25	
		Triangle Portion	Cum	1	2.5	0.1	4.5	1.12	
		coping concrete arround building	Cum						
		Outside Building	Cum	1	32	27	0.2	172.80	
			Cum	1	19	6.1	0.2	23.18	
			Cum	1	10	3	0.2	6.00	
			Cum	1	20	11	0.2	44.00	
			Cum	1	16	5	0.2	16.00	
				1	20	7	0.2	28.00	
				1	46	1.5	0.2	13.80	
		in front of building outside	Cum						

2/6/2020

506.68

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER